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Committee on the Peaceful Uses of Outer Space

Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Letter dated 17 July 2015 from the Legal Services Department of the European Space Agency addressed to the Secretary-General

In conformity with the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), the rights and obligations of which the European Space Agency (ESA) has declared its acceptance of, the Agency has the honour to transmit information on the Sentinel-2A satellite, which was launched into orbit by ESA on 23 June 2015 and which is owned by the European Union (see annex).

(*Signed*)
Marco **Ferrazzani**
ESA Legal Counsel and
Head of the Legal Services Department

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Annex

Registration data on a space object launched by the European Space Agency*

Sentinel-2A

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator:	2014-028A
Name of space object:	Sentinel-2A
State of registry:	European Space Agency (ESA)
Date and territory or location of launch:	23 June 2015 at 0151 hours, 58 seconds, UTC Europe's Spaceport, Kourou, French Guiana
Basic orbital parameters	
Nodal period:	100.7 minutes
Inclination:	98.57 degrees
Apogee:	790 kilometres
Perigee:	788 kilometres
General function of space object:	Sentinel-2A is the second satellite under Europe's Copernicus programme. The satellite carries an innovative multispectral imager (MSI) instrument covering 13 spectral bands to provide high-resolution optical images of agriculture, forests, land-use change and provides continuity and expands on the French SPOT and the United States' Landsat missions. It will be complemented by Sentinel-2B in 2016 to form a constellation orbiting 180 degrees apart, covering the Earth's land surfaces, large islands and inland and coastal waters every five days. Pursuant to the Agreement between the European Union, represented by the European Commission, and the European Space Agency on the Implementation of the Copernicus Programme, including the Transfer of Ownership of Sentinels (Copernicus Agreement), which entered into force on 28 October 2014, ownership of Sentinel-2A was transferred to the European Union at the moment of lift-off of the satellite's launch vehicle.

* The information was submitted using the form prepared pursuant to General Assembly resolution 62/101 and has been reformatted by the Secretariat.

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Change of supervision of the space object

Space object owner/operator:	Owner: European Union Operator: European Space Agency
Launch vehicle:	Vega

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Committee on the Peaceful Uses of Outer Space

Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 22 July 2015 from the Permanent Mission of Australia to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of Australia to the United Nations (Vienna), in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to transmit information concerning the Optus-10 space object launched by Australia on 11 September 2014 (see annex).

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Annex

Registration data on a space object launched by Australia*

Optus-10

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator:	2014-054A
Name of the space object:	Optus-10
National designator/registration number:	Optus-10
State of registry:	Australia
Other launching States:	France. The launch services were provided by Arianespace from French Guiana (Guiana Space Centre).
Date and territory or location of the launch:	11 September 2014 at 2205 hours 00 seconds UTC Guiana Space Centre, Kourou, French Guiana
Basic orbital parameters	
Nodal period:	Since the satellite is in geostationary orbit, the concept of a "nodal period" is not applicable. However, the orbital period is approximately 23 hours 56 minutes 4 seconds.
Inclination:	0.00 ± 0.05 degrees
Apogee:	35,786 kilometres
Perigee:	35,786 kilometres
General function of the space object:	Commercial telecommunications within Australia, New Zealand and nearby islands

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Geostationary position:	164.00 ± 0.05 degrees East
Launch vehicle:	Ariane 5 ECA

* The information was submitted using the form prepared pursuant to General Assembly resolution 62/101 and has been reformatted by the Secretariat.